

## ABSTRACT

A gravity motor has an output shaft, a support structure for rotatably supporting the output shaft, a rotor having a hub and a plurality of radial arms  
5 secured to the output shaft, a plurality of movable weights where at least one weight is slidably connected to each of the radial arms, a first guide surface positioned to be contactable by each of the movable weights where the first guide surface causes each of the movable weights to move from a distal end of the radial arm toward the hub as the rotor rotates, and a second guide surface positioned to be contactable by  
10 each of the movable weights where the second guide surface causes each of the movable weights to move away from the hub to the distal end of the radial arm as the rotor rotates.